

APPENDIX D

Survey of Earned Doctorates Questionnaire, 1996-1997

Please print your name in full:

Last Name	Suffix (e.g., Jr.)	First Name	Middle Name
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Suffix (e.g., Jr.)	First Name	Middle Name
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First Name **Middle Name**

Middle Name

Cross reference: *Birth name or former name legally changed*

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. ALL INFORMATION YOU PROVIDE WILL BE TREATED AS CONFIDENTIAL and used only by your institution for statistical purposes by your doctoral institution, the survey sponsors, their contractors, and collaborating researchers for the purpose of analyzing data, preparing scientific reports and articles, and conducting research for a limited number of carefully defined follow-up studies. Your social security number is also collected under the NSF Act of 1950, as amended. Providing it is also voluntary. It is used for survey analysis, data management, evaluation, and for matching with other databases. Any information publicly released (including abstracts and summaries) will be in a form that does not personally identify you. Your response is voluntary and failure to provide some or all of the requested information will not in any way adversely affect you.

The time needed to complete this form varies according to individual circumstances. All the information requested is estimated to be 20 minutes. If you have comments regarding this time estimate, you may wish to contact the National Science Foundation, 4201 Wilson Blvd., Arlington, VA 22230. Attention: NSF Response Planning Group.

NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230

To the Doctorate Recipient:

Congratulations on earning a doctoral degree! This is an important accomplishment for you. Your accomplishment is also significant for both this nation and others, as the new knowledge generated by research doctorates enhances the quality of life in this country and throughout the world. Because of the importance of persons earning research doctorates, several Federal agencies — listed on the cover — sponsor this Survey of Earned Doctorates.

The basic purpose of this survey is to gather objective data about doctoral graduates. These data are important in improving graduate education both at your home institution and beyond. Often, decisions made by governmental and private agencies to develop new programs, or to support present ones, are based in part on the data developed from this survey.

This form is distributed by the Graduate Deans and is filled out by all persons who have completed the requirements for a research doctoral degree. Please print your name on the cover if you have not already done so, and then complete this questionnaire and return it to the Graduate Dean. The confidentiality of the information you provide is carefully protected.

On behalf of the sponsoring Federal agencies and the National Research Council, I thank you for your participation in this survey.

Best wishes,

A handwritten signature in black ink, appearing to read "Kenneth M. Brown", written in a cursive style.

Dr. Kenneth M. Brown
Director, Division of Science Resources Studies

INSTRUCTIONS

Thank you for taking the time to complete this important questionnaire. Directions are provided for each question. Because not all questions will apply to everyone, you may be asked to skip certain questions.

- If you have not already done so, please print your name on the front cover.
- Either a pen or pencil may be used.
- When answering questions that require marking a box, please use an "X."
- If you need to change an answer, please make sure that your old answer is either completely erased or clearly crossed out.
- On pages 8 and 9 (inside the back cover) is a Specialties List for classifying your field(s) of specialization in Questions A2, A10, B5, and B9.

Thanks again for your help; we really appreciate it.

PART A - Education

A1. What is the title of your dissertation?

Please mark (X) this box if the title below refers to a performance, project report or a musical or literary composition required instead of a dissertation

Title _____

A2. Using the Specialties List (pages 8-9), please write the name and number of the field of your dissertation research.

Name of field _____

Number of field

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A3. After receiving your first bachelor's degree (or equivalent), and including the period spent on your dissertation, how many years were you a full-time student ?

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 Years (whole numbers)

A4. Please check the category that most fully describes your employment or study status during the year immediately before the award of the doctorate.

Mark (X) one

- | | | |
|---|--------------------------------------|---------------------------|
| 0 | Full-time employed → GO to A5 | |
| 1 | Held fellowship | |
| 2 | Held assistantship | |
| 3 | Part-time employed | SKIP
to
A6 |
| 4 | Not employed | |
| 5 | Other - Specify ↴ | |

A5. (IF FULL-TIME EMPLOYED) What type of position did you hold?

Mark (X) one

- 6 College or university, faculty
- 7 College or university, non-faculty
- 8 Elementary or secondary school, teaching
- 9 Elementary or secondary school, non-teaching
- 11 Industry or business
- 12 Other - Specify ↴

A6. In what state or country was the high school/secondary school that you last attended?

State (if U.S.) _____

OR

Country (if not U.S.) _____

A7. When did you graduate from high school/secondary school?

Month Year

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 19

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A8. Please name the department (or interdisciplinary committee, center, institute, etc.) of the university that supervised your doctoral program.

Mark (X) box if none

Department/Committee/Center/Institute/Program

A9. Please name the school or college within the university that supervised your doctoral program.

Mark (X) box if not applicable

School or College within University

A10. Please list below, chronologically, all colleges (including 2-year) and graduate institutions you have attended and each degree earned (if any). Be sure to give the years attended for ALL institutions attended. Include your doctoral institution(s) and degree at the end.

Mark (X) box if bachelor's degree (or equivalent) was never received

Mark (X) box if master's degree (or equivalent) was never received

EXAMPLE			Institution and Location		Years Attended		Field of Study		Degree (if any)		
							Use Specialties List, pages 8-9				
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Indian Institute of Technology			83	85	Mechanical Engineering		345	—	—	—	
Branch or City State or Province Country (if not U.S.)											
Madras India											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
University of California			85	87	Mechanical Engineering		345	B.S.	6	87	
Branch or City State or Province Country (if not U.S.)											
Berkeley CA											
Institution and Location			Years Attended		Field of Study		Degree (if any)				
					Use Specialties List, pages 8-9						
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											
Institution			From	To	Field Name		Number	Title	Mo.	Yr.	
Branch or City State or Province Country (if not U.S.)											

If you have attended more than six institutions of higher education, please continue this list on the back cover. Be sure to include your doctoral institution.

A11. This question is about your sources of support during graduate school. Did you receive support from the following sources?

Mark (X) Yes or No for each

Yes No
↓ ↓

OWN/FAMILY RESOURCES

- 01 Own Earnings 1 2
02 Spouse's Earnings 1 2
03 Family Contributions 1 2

UNIVERSITY-RELATED

- 10 Teaching Assistantship 1 2
11 Research Assistantship 1 2
12 University Fellowship 1 2
14 College Work-Study 1 2
19 Other - Specify ↴ 1 2

FEDERAL RESEARCH ASSISTANTSHIP

- 22 NIH 1 2
32 NSF 1 2
52 USDA 1 2
62 Other Federal - Specify ↴ 1 2

OTHER FEDERAL SUPPORT

- 21 NIH Traineeship/Fellowship 1 2
29 Other HHS 1 2
33 NSF Fellowship 1 2
40 Patricia Roberts-Harris Fellowship-formerly G*POP (Department of Education) 1 2
44 Title VI Foreign Language 1 2
49 Other Dept. of Education 1 2
53 USDA Fellowship 1 2
55 NEH 1 2
60 Veterans Administration 1 2
61 Fulbright Fellowship 1 2
69 Other Federal - Specify ↴ 1 2

U.S. NATIONALLY COMPETITIVE FELLOWSHIPS (NON-FEDERAL)

- 70 Ford Foundation 1 2
71 Rockefeller Foundation 1 2
73 Mellon Foundation 1 2
78 Other Fellowship - Specify ↴ 1 2

STUDENT LOANS

- 80 Guaranteed Student Loan (Stafford Loan) 1 2
81 Perkins Loan - formerly NDSL 1 2
89 Other Loan - Specify ↴ 1 2

OTHER SOURCES

- 90 Business/Employer 1 2
91 Foreign (Non-U.S.) Government 1 2
92 State Government 1 2
99 Other - Specify ↴ 1 2

A12. Which TWO sources gave you the most support?

From A11, enter numbers of primary and secondary sources

a. Primary source of support

Mark (X) if no primary source

b. Secondary source of support

Mark (X) if no secondary source

A13. When you receive your doctoral degree, how much money will you owe that is directly related to your undergraduate and/or graduate education (tuition and fees, living expenses and supplies, transportation to and from school)?

- 0 None
1 \$5,000 or less
2 \$5,001 - \$10,000
3 \$10,001 - \$15,000
4 \$15,001 - \$20,000
5 \$20,001 - \$25,000
6 \$25,001 - \$30,000
7 \$30,001 or more

PART B - Postgraduation Plans

B1. How definite are your immediate postgraduate plans?

Mark (X) one

- 0 Am returning to, or continuing in, predoctoral employment → **GO to B2, page 5**
1 Have signed contract or made definite commitment for other work or study
2 Am negotiating with one or more specific organizations
3 Am seeking position but have no specific prospects → **SKIP to B3, page 5**
4 Other - Specify ↴

B2. Please name the organization and geographic location where you will work or study.

Name _____			SKIP to B4
City _____	State (if U.S.) _____	Country (if not U.S.) _____	

B3. In what state or country do you intend to live after graduation?

Mark (X) one

0 in U.S. → State _____

1 not in U.S. → Country _____

B4. What best describes your immediate postgraduate plans?

Mark (X) one

0	Postdoctoral fellowship	SKIP to B7
1	Postdoctoral research associateship	
2	Traineeship	
3	Other study - Specify ↴ _____	
4	Employment (other than 0,1,2,3)	
5	Military service	
6	Other - Specify ↴ _____	

B5. Please use the Specialties List (pages 8-9) to enter the name and number of your postdoctoral field.

Name of field _____

Number of field

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B6. What will be the main source of financial support for your postdoctoral study/research?

Mark (X) one

0	U.S. Government	SKIP to C1, page 6
1	College or university	
2	Private foundation	
3	Nonprofit, other than private foundation	
4	Other - Specify ↴ _____	
6	Unknown _____	

B7. For what type of employer will you be working?

Mark (X) one

EDUCATION

- a U.S. 4-year college or university other than medical school
- b U.S. medical school
- c U.S. junior or community college
- d Elementary or secondary school
- e Foreign institution

GOVERNMENT

- f Foreign government
- g U.S. federal government
- h U.S. state government
- i U.S. local government

PRIVATE SECTOR

- j Nonprofit organization
- k Industry or business
- l Self-employed

OTHER

- m Other - Specify ↴

B8. From the list below, please indicate what your primary and secondary work activities will be by entering the numbers of your selections in the appropriate boxes:

Enter numbers from below:

- a Primary Activity
- b Secondary Activity
- 0 Research and development
- 1 Teaching
- 2 Administration
- 3 Professional services to individuals
- 5 Other - Specify ↴

B9. Please use the Specialties List (pages 8-9) to enter the name and number of the field in which you will be working.

Name of field _____

Number of field

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PART C - Background Information

C1. Are you -

- 1 ☐ Male
2 ☐ Female

C2. What is your marital status?

Mark (X) one

- 0 ☐ Single, never married
1 ☐ Married
2 ☐ Separated, divorced, widowed

C3. Not including yourself, how many dependents do you have - that is, how many others receive at least one half of their support from you?

Number

C4. What is the highest educational attainment of your mother and father?

Mark (X) one for each parent

	Mother ↓	Father ↓
Less than high school/ secondary school	1 <input type="checkbox"/>	1 <input type="checkbox"/>
High-school/secondary-school graduate	2 <input type="checkbox"/>	2 <input type="checkbox"/>
Some college	3 <input type="checkbox"/>	3 <input type="checkbox"/>
Bachelor's	4 <input type="checkbox"/>	4 <input type="checkbox"/>
Master's	5 <input type="checkbox"/>	5 <input type="checkbox"/>
Professional	6 <input type="checkbox"/>	6 <input type="checkbox"/>
Doctorate	7 <input type="checkbox"/>	7 <input type="checkbox"/>

C5. What is your place of birth?

State (if U.S.)

OR

Country (if not U.S.)

C6. What is your date of birth?

Month Day Year
 19

C7. What is your citizenship status?

Mark (X) one

U.S. Citizen:

- 0 ☐ Native Born → **SKIP to C9**
 1 ☐ Naturalized

Non-U.S. Citizen:

- 2 ☐ With a Permanent U.S. Resident Visa
 3 ☐ With a Temporary U.S. Resident Visa

C8. (IF A NON-U.S. CITIZEN) Of which country are you a citizen?

(Specify country of present citizenship)

C9. Are you a person with a disability?

- 1 ☐ Yes
 2 ☐ No → **SKIP to C11**

C10. (IF YES) Which of the following categories describes your disability?

- 1 ☐ Visual
 2 ☐ Orthopedic (mobility)
 3 ☐ Auditory (hearing)
 4 ☐ Vocal
 5 ☐ Other - Specify →

C11. Are you Hispanic?

- 1 ☐ Yes → **GO to C12, page 7**
 2 ☐ No → **SKIP to C13, page 7**

SPECIALTIES LIST

INSTRUCTIONS: The following field listing is to be used in responding to items A2, A10, B5, and B9. If you choose a field marked with an asterisk (*), please write in your field of specialization in the space provided in those items.

AGRICULTURAL SCIENCES

- 000 Agricultural Economics
- 002 Agricultural Business & Mgmt.
- 005 Animal Breeding & Genetics
- 010 Animal Nutrition
- 012 Dairy Science
- 014 Poultry Science
- 055 Fisheries Sci. & Management
- 019 Animal Sciences, Other*
- 020 Agronomy & Crop Science
- 025 Plant Breeding & Genetics
- 030 Plant Pathology (See also 120)
- 039 Plant Sciences, Other*
- 043 Food Engineering
- 044 Food Sciences, Other*
- 046 Soil Chemistry/Microbiology *
- 049 Soil Sciences, Other*
- 050 Horticulture Science
- 066 Forest Biology
- 068 Forest Engineering
- 070 Forest Management
- 072 Wood Sci. & Pulp/Paper Tech.
- 074 Conserv./Renewable Natural Res.
- 079 Forestry & Related Sci., Other*
- 080 Wildlife/Range Management
- 098 Agricultural Sci., General
- 099 Agricultural Sci., Other*

BIOLOGICAL SCIENCES

- 100 Biochemistry
- 103 Biomedical Sciences
- 105 Biophysics
- 107 Biotechnology Research
- 110 Bacteriology
- 115 Plant Genetics
- 120 Plant Pathology (See also 030)
- 125 Plant Physiology
- 129 Botany, Other*
- 130 Anatomy
- 133 Biometrics & Biostatistics
- 136 Cell Biology (See also 154)
- 139 Ecology
- 142 Developmental Bio./Embryology
- 145 Endocrinology
- 148 Entomology
- 151 Biological Immunology
- 154 Molecular Biology
- 157 Microbiology
- 160 Neuroscience
- 163 Nutritional Sciences
- 166 Parasitology
- 169 Toxicology
- 170 Genetics, Human & Animal
- 175 Pathology, Human & Animal (See also 120)
- 180 Pharmacology, Human & Animal
- 185 Physiology, Human & Animal

- 189 Zoology, Other*
- 198 Biological Sciences, General
- 199 Biological Sciences, Other*

HEALTH SCIENCES

- 200 Speech-Lang. Pathology & Audiology
- 210 Environmental Health
- 212 Health Systems/Service Admin.
- 215 Public Health (See also 133)
- 220 Epidemiology
- 222 Exercise Physiology/Sci., Kinesiology
- 230 Nursing
- 240 Pharmacy
- 245 Rehabilitation/Therapeutic Services
- 250 Veterinary Medicine
- 298 Health Sciences, General
- 299 Health Sciences, Other*

ENGINEERING

- 300 Aerospace, Aeronaut. & Astronaut.
- 303 Agricultural
- 306 Bioengineering & Biomedical
- 309 Ceramic Sciences
- 312 Chemical
- 315 Civil
- 318 Communications
- 321 Computer
- 324 Electrical & Electronics
- 327 Engineering Mechanics
- 330 Engineering Physics
- 333 Engineering Science
- 336 Environmental Health Engineering
- 339 Industrial & Manufacturing
- 342 Materials Science
- 345 Mechanical
- 348 Metallurgical
- 351 Mining & Mineral
- 357 Nuclear
- 360 Ocean
- 363 Operations Research (See also 465, 930)
- 366 Petroleum
- 369 Polymer & Plastics
- 372 Systems
- 398 Engineering, General
- 399 Engineering, Other*

COMPUTER AND INFORMATION SCIENCES

- 400 Computer Science
- 410 Information Science & Systems*

MATHEMATICS

- 420 Applied Mathematics
- 425 Algebra

- 430 Analysis & Functional Analysis
- 435 Geometry
- 440 Logic (See also 785)
- 445 Number Theory
- 450 Mathematical Statistics
- 455 Topology
- 460 Computing Theory & Practice
- 465 Operations Research (See also 363, 930)
- 498 Mathematics, General
- 499 Mathematics, Other*

PHYSICAL SCIENCES

Astronomy

- 500 Astronomy
- 505 Astrophysics

Atmospheric Sci. and Meteorology

- 510 Atmospheric Physics & Chemistry
- 512 Atmospheric Dynamics
- 514 Meteorology
- 518 Atmos. Sci./Meteorol., General
- 519 Atmos. Sci./Meteorol., Other*

Chemistry

- 520 Analytical
- 522 Inorganic
- 524 Nuclear
- 526 Organic
- 528 Medicinal/Pharmaceutical
- 530 Physical
- 532 Polymer
- 534 Theoretical
- 538 Chemistry, General
- 539 Chemistry, Other* (See 100 Biochemistry)

Geological & Related Sciences

- 540 Geology
- 542 Geochemistry
- 544 Geophysics & Seismology
- 546 Paleontology
- 548 Mineralogy & Petrology
- 550 Stratigraphy & Sedimentation
- 552 Geomorphology & Glacial Geology
- 558 Geolog. & Related Sci., General
- 559 Geolog. & Related Sci., Other*

Physics

- 560 Acoustics
- 561 Chemical & Atomic/Molecular
- 564 Elementary Particle
- 566 Fluids
- 568 Nuclear
- 569 Optics
- 570 Plasma & High-Temperature
- 572 Polymer

SPECIALTIES LIST (continued)

- 574 Solid State & Low-Temperature
- 578 Physics, General
- 579 Physics, Other*

Miscellaneous Physical Sciences

- 580 Environmental Science
- 585 Hydrology & Water Resources
- 590 Oceanography
- 595 Marine Sciences
- 599 Misc. Physical Sciences, Other*

PSYCHOLOGY

- 600 Clinical
- 603 Cognitive & Psycholinguistics
- 606 Comparative
- 609 Counseling
- 612 Developmental & Child
- 613 Human/Indiv. & Family Devlpmt.
- 615 Experimental
- 618 Educational (See also 822)
- 620 Family & Marriage Counseling
- 621 Indust. & Organiz. (See also 935)
- 624 Personality
- 627 Physiological/Psychobiology
- 630 Psychometrics
- 633 Quantitative
- 636 School (See also 825)
- 639 Social
- 648 Psychology, General
- 649 Psychology, Other*

SOCIAL SCIENCES

- 650 Anthropology
- 652 Area Studies
- 658 Criminology
- 662 Demography/Population Studies
- 666 Economics
- 668 Econometrics
- 670 Geography
- 674 International Relations/Affairs
- 678 Political Sci. & Government
- 682 Public Policy Analysis
- 686 Sociology
- 690 Statistics (See also 450)
- 694 Urban Affairs/Studies
- 698 Social Sciences, General
- 699 Social Sciences, Other*

HUMANITIES

History

- 700 History, American
- 703 History, Asian
- 705 History, European
- 710 History/Philosophy of Sci. & Tech.
- 718 History, General
- 719 History, Other*

Letters

- 720 Classics
- 723 Comparative Literature
- 729 Linguistics
- 732 Literature, American
- 733 Literature, English
- 734 English Language
- 736 Speech & Rhetorical Studies
- 738 Letters, General
- 739 Letters, Other*

Foreign Languages and Literature

- 740 French
- 743 German
- 746 Italian
- 749 Spanish
- 752 Russian
- 755 Slavic (other than Russian)
- 758 Chinese
- 762 Japanese
- 765 Hebrew
- 768 Arabic
- 769 Other Languages & Literature*

Other Humanities

- 770 American Studies
- 773 Archeology
- 776 Art History/Criticism/Conserv.
- 780 Music
- 785 Philosophy (See also 440)
- 790 Religion (See also 984)
- 795 Drama/Theater Arts
- 798 Humanities, General
- 799 Humanities, Other*

EDUCATION

- 800 Curriculum & Instruction
- 805 Educational Admin. & Supervision
- 807 Educational Leadership
- 810 Educ./Instruct. Media Design
- 815 Educ. Stat./Research Methods
- 820 Educ. Assess./Test./Meas.
- 822 Educ. Psychology (See also 618)
- 825 School Psychology (See also 636)
- 830 Social/Phil. Found. of Education
- 835 Special Education
- 840 Couns. Educ./Couns. & Guid. Serv.
- 845 Higher Education/Eval. & Research

Teacher Education

- 850 Pre-elementary/Early Childhood
- 852 Elementary
- 856 Secondary
- 858 Adult & Continuing

Teaching Fields

- 860 Agricultural Education
- 861 Art Education
- 862 Business Education

- 864 English Education
- 866 Foreign Languages Education
- 868 Health Education
- 870 Home Economics Education
- 872 Tech. & Indust. Arts Education
- 874 Mathematics Education
- 876 Music Education
- 878 Nursing Education
- 880 Physical Education & Coaching
- 882 Reading Education
- 884 Science Education
- 885 Social Science Education
- 887 Technical Education
- 888 Trade & Industrial Education
- 889 Teacher Educ., Specific Acad. & Voc. Prog., Other*

Other Education

- 898 Education, General
- 899 Education, Other*

PROFESSIONAL FIELDS

Business Management and Administrative Services

- 900 Accounting
- 905 Banking/Financial Support Serv.
- 910 Business Admin. & Management
- 915 Business/Managerial Economics
- 916 International Business
- 917 Mgmt. Info. Sys./Bus. Data Proc.
- 920 Marketing Management & Research
- 930 Operations Research
(See also 363, 465)
- 935 Organiz. Behavior (See also 621)
- 938 Bus. Mgmt./Admin. Serv., Gen.
- 939 Bus. Mgmt./Admin. Serv., Other*

Communications

- 940 Communications Research
- 947 Mass Communications
- 957 Communication Theory
- 958 Communications, General
- 959 Communications, Other*
(See also 736)

Other Professional Fields

- 960 Architec. Environ. Design
- 964 Home Economics
- 968 Law
- 972 Library Science
- 974 Parks/Rec./Leisure/Fitness
- 976 Public Administration
- 980 Social Work
- 984 Theol./Religious Education
(See also 790)
- 988 Professional Fields, General
- 989 Professional Fields, Other*

999 OTHER FIELDS*

Comments About This Survey

Thank you for completing the questionnaire. Please return it to the GRADUATE DEAN for forwarding to The Office of Scientific and Engineering Personnel, National Research Council, TJ 1019, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. Should you need to call us, our number is 1-800-242-5674.